

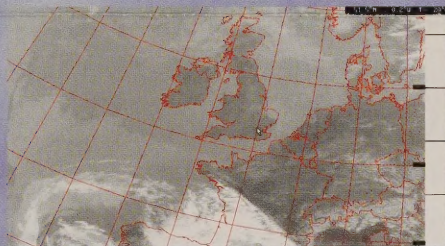
Timestep



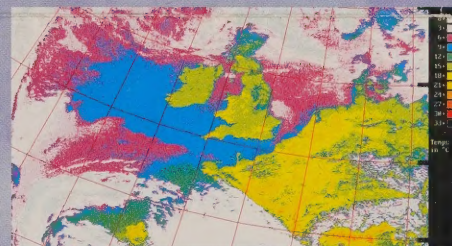
NOAA false colour



NOAA gridding



NOAA temperature readout and outlines



NOAA temperature slice

Geostationary Satellites

Meteosat, GOES and GMS are all geostationary satellites; they orbit at the same rate as the Earth and hence appear to be fixed in the sky. Images are therefore available constantly. The PROsat II system covers all known operational geostationary satellites; images of the Earth's surface can be received as often as every 4 minutes. A small dish antenna is required together with some simple reliable hardware.

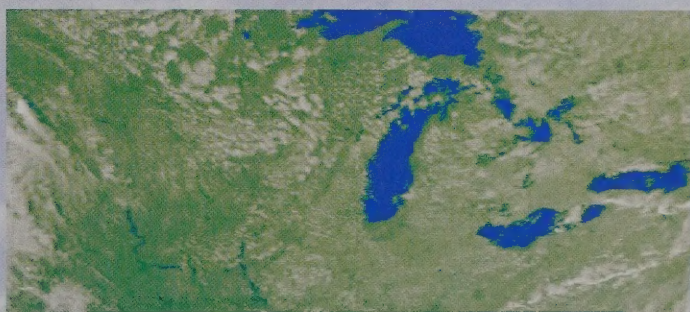
PROsat II is a unique computer based Weather Satellite reception system that will run on any contemporary PC (286, 386, 486, 586 with SVGA) or the Apple Mac LC (and higher). All software features are selected with user-friendly mouse-operated pull-down menus. False colour can be added to enhance good quality visible light images. Capable of receiving and decoding all known analogue weather satellites, PROsat II sets new standards in Software and Hardware design. Image processing, full colour animation and 3D are just some of the many features currently included. New features are constantly being added.

Timestep weather satellite systems are used and recommended by Arthur C. Clarke, author of "2001 : A Space Odyssey" and inventor of the communications satellite.

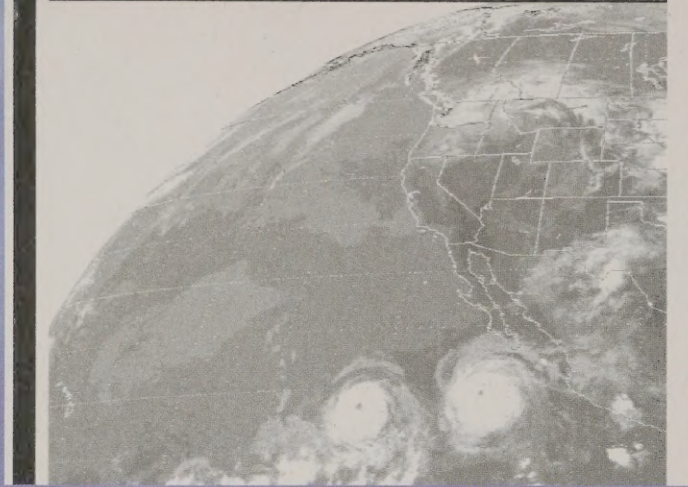
PROsat II

Polar Orbiting Satellites

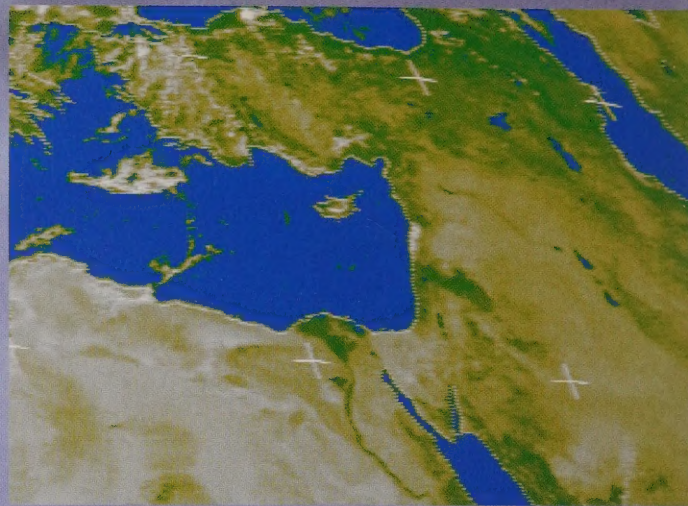
NOAA, Meteor, Okean and Feng Yun are polar orbiting satellites. They pass near to the poles about every 110 minutes. Each satellite passes over most countries twice a day at a different time each day. Their strength is such that a simple fixed antenna can be used. This brochure shows the greater land detail available from polar satellites. Direct readout of temperature along with latitude and longitude is an important feature of the software. All of the satellite data is stored; a full view is shown on the screen during reception. TRACK II is the ultimate prediction program. It will show in real or future time the position of up to 6 satellites simultaneously.



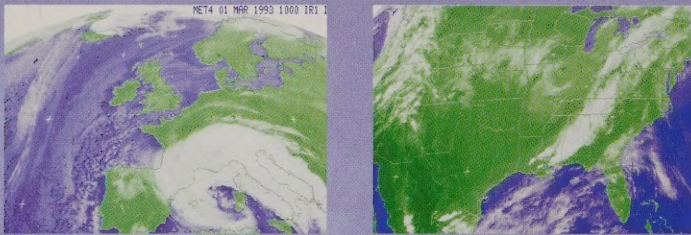
Flooding of the American Midwest in 1993 (rivers at bottom left)



Tropical storms off California from GOES

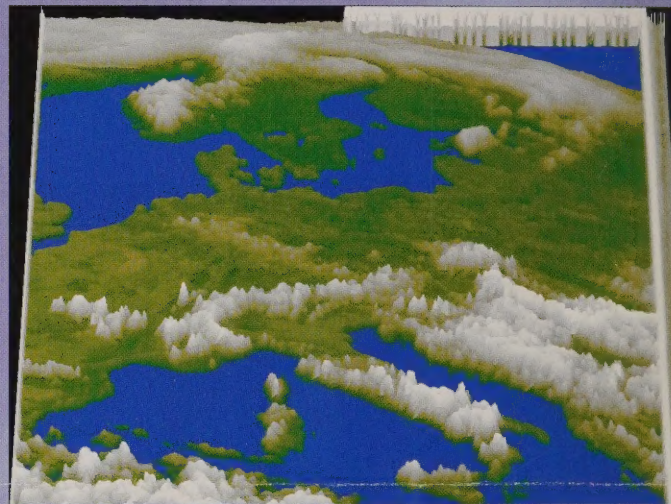


Nile Delta and Eastern Mediterranean from Meteosat



Colour animation of Europe and North America

Full screen, full colour animation is a feature of PROsat II. Up to 1,000 images can be automatically animated. The colour is computer processed and even shows relative land temperature by the darkness of the green. High level clouds show up as white and shades of grey, low level clouds show as shades of light blue or green. Reception and animation is completely automatic. Run the software and walk away; every time you pass, the computer will be showing the latest sequence.



Europe in 3D from Meteosat

PROsat II Geostationary Features

- Images as often as every 4 minutes
- Live display of incoming images
- Auto schedule to save images
- Pan & Zoom to greater than pixel level
- 3D display
- Median filter to remove country outlines
- False colour with AutoSet
- 1,000 image colour animation
- Transect between any two points (PC only)
- Up to 600 dpi laser dump built in
- Windows export (PC only)
- Annotation (PC only)

System parts

- Dish antenna
- Preamplifier
- 20m (65 feet) cable
- Geostationary receiver
- Interface cable
- Computer interface
- Software and manual

PROsat II NOAA Polar Features

- Reception of all polar satellites
- Live display of incoming image
- Auto schedule to save images
- Saves the complete pass in full resolution
- Temperature readout with no calibration needed
- Latitude and Longitude gridding
- Country and State outlining
- Distance and Bearing between any two points
- Your location shown on image
- Multi satellite prediction software

System parts

- Antenna
- Preamplifier
- 40m (130 feet) cable
- PROscan scanning receiver



Track II prediction software